Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/08/2021 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124643	-1	1.36	124543	1.36
Blue	F	SSC	125000	125070	0	2.79	125304	2.65
Blue	E	FITC	13131	12798	-3	2.32	294	15.68
Blue	D	PE	24112	24019	-1	1.72	551	10.67
Blue	B	PerCP-Cy5-5	31295	30823	-2	3.08	1020	14.21
Blue	A	PE-Cy7	19939	19835	-1	5.12	528	27.43
Red	C	APC	42122	41881	-1	2.99	1757	11.17
Red	A	APC-Cy7	22340	21927	-2	3.27	820	11.08
Violet	B	V450	7410	7142	-4	3.68	438	12.14
Violet	A	V500	28118	27046	-4	3.35	678	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23210	1.19	560	-9	N/A	N/A	Pass
Blue	F	SSC	58264	1.12	513	1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	482	-5	0.0402	84	Pass
Blue	D	PE	116	36.16	485	-3	0.4077	283	Pass
Blue	B	PerCP-Cy5-5	191	34.04	581	-5	0.0207	28	Pass
Blue	A	PE-Cy7	106	65.23	623	-5	0.0253	6	Pass
Red	C	APC	405	23.29	576	0	0.0292	167	Pass
Red	A	APC-Cy7	182	26.87	549	-2	0.0073	1415	Pass
Violet	B	V450	62	65.03	453	0	0.0881	3876	Pass
Violet	A	V500	99	35.84	464	-1	0.0265	1172	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.56	1.09
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.08	13.60 - 20.40	N/A	N/A	29.87	30.17	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9770

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments